1. total FWwd Packet - Total packets in the forward direction
2. total Bwd packets - Total packets in the backward direction
3. total Length of Fwd Packet Total size of packet in forward direction
4. total Length of Bwd Packet Total size of packet in backward direction
5. Fwd Packet Length Min Minimum size of packet in forward direction
6. Fwd Packet Length Max Maximum size of packet in forward direction
7. Fwd Packet Length Mean Mean size of packet in forward direction
8. Fwd Packet Length Std Standard deviation size of packet in forward direction
9. Bwd Packet Length Min Minimum size of packet in backward direction
10. Bwd Packet Length Max Maximum size of packet in backward direction
11. Bwd Packet Length Mean Mean size of packet in backward direction
12. Bwd Packet Length Std Standard deviation size of packet in backward direction
13. Flow Byte/s Number of flow packets per second
14. Flow Packets/s Number of flow bytes per second
15. Flow IAT Mean Mean time between two packets sent in the flow
16. Flow IAT Std Standard deviation time between two packets sent in the flow
17. Flow IAT Max Maximum time between two packets sent in the flow
18. Flow IAT Min Minimum time between two packets sent in the flow
19. Fwd IAT Min Minimum time between two packets sent in the forward direction
20. Fwd IAT Max Maximum time between two packets sent in the forward direction
21. Fwd IAT Mean Mean time between two packets sent in the forward direction
22. Fwd IAT Std Standard deviation time between two packets sent in the forward direction
23. Fwd IAT Total Total time between two packets sent in the forward direction
24. Bwd IAT Min Minimum time between two packets sent in the backward direction
25. Bwd IAT Max Maximum time between two packets sent in the backward direction
26. Bwd IAT Mean Mean time between two packets sent in the backward direction
27. Bwd IAT Std Standard deviation time between two packets sent in the backward direction
28. Bwd IAT Total Total time between two packets sent in the backward direction
29. Fwd PSH flag Number of times the PSH flag was set in packets travelling in the forward direction (0 for UDP)
30. Bwd PSH Flag Number of times the PSH flag was set in packets travelling in the backward direction (0 for UDP)
31. Fwd URG Flag Number of times the URG flag was set in packets travelling in the forward direction (0 for UDP)
32. Bwd URG Flag Number of times the URG flag was set in packets travelling in the backward direction (0 for UDP)
33. Fwd Header Length Total bytes used for headers in the forward direction
34. Bwd Header Length Total bytes used for headers in the backward direction
35. FWD Packets/s Number of forward packets per second
36. Bwd Packets/s Number of backward packets per second
37. Min Packet Length Minimum length of a packet
38. Max Packet Length Maximum length of a packet
39. Packet Length Mean Mean length of a packet
40. Packet Length Std Standard deviation length of a packet
41. Packet Length Variance Variance length of a packet
42. FIN Flag Count Number of packets with FIN
43. SYN Flag Count Number of packets with SYN
44. RST Flag Count Number of packets with RST
45. PSH Flag Count Number of packets with PUSH
46. ACK Flag Count Number of packets with ACK
47. URG Flag Count Number of packets with URG
48. CWR Flag Count Number of packets with CWE
49. ECE Flag Count Number of packets with ECE
50. down/Up Ratio Download and upload ratio
51. Average Packet Size Average size of packet
52. Avg Fwd Segment Size Average size observed in the forward direction
53. AVG Bwd Segment Size Average number of bytes bulk rate in the forward direction
54. Fwd Header Length Length of header for forward packet
55. Fwd Avg Bytes/Bulk Average number of bytes bulk rate in the forward direction
56. Fwd AVG Packet/Bulk Average number of packets bulk rate in the forward direction
57. Fwd AVG Bulk Rate Average number of bulk rate in the forward direction
58. Bwd Avg Bytes/Bulk Average number of bytes bulk rate in the backward direction
59. Bwd AVG Packet/Bulk Average number of packets bulk rate in the backward direction
60. Bwd AVG Bulk Rate Average number of bulk rate in the backward direction
61. Subflow Fwd Packets The average number of packets in a sub flow in the forward direction
62. Subflow Fwd Bytes The average number of bytes in a sub flow in the forward direction
63. Subflow Bwd Packets The average number of packets in a sub flow in the backward direction
64. Subflow Bwd Bytes The average number of bytes in a sub flow in the backward direction
65. Init\_Win\_bytes\_forward The total number of bytes sent in initial window in the forward direction
66. Init\_Win\_bytes\_backward The total number of bytes sent in initial window in the backward direction
67. Act\_data\_pkt\_forward Count of packets with at least 1 byte of TCP data payload in the forward direction
68. min\_seg\_size\_forward Minimum segment size observed in the forward direction
69. Active Min Minimum time a flow was active before becoming idle
70. Active Mean Mean time a flow was active before becoming idle
71. Active Max Maximum time a flow was active before becoming idle
72. Active Std Standard deviation time a flow was active before becoming idle
73. Idle Min Minimum time a flow was idle before becoming active
74. Idle Mean Mean time a flow was idle before becoming active
75. Idle Max Maximum time a flow was idle before becoming active
76. Idle Std Standard deviation time a flow was idle before becoming active
77. total\_fpackets Total packets in the forward direction
78. total\_bpackets Total packets in the backward direction
79. total\_fpktl Total size of packet in forward direction
80. total\_bpktl Total size of packet in backward direction
81. min\_fpktl Minimum size of packet in forward direction
82. min\_bpktl Minimum size of packet in backward direction
83. max\_fpktl Maximum size of packet in forward direction
84. max\_bpktl Maximum size of packet in backward direction
85. mean\_fpktl Mean size of packet in forward direction
86. mean\_bpktl Mean size of packet in backward direction
87. std\_fpktl Standard deviation size of packet in forward direction
88. std\_bpktl Standard deviation size of packet in backward direction
89. total\_fiat Total time between two packets sent in the forward direction
90. total\_biat Total time between two packets sent in the backward direction
91. min\_fiat Minimum time between two packets sent in the forward direction
92. min\_biat Minimum time between two packets sent in the backward direction
93. max\_fiat Maximum time between two packets sent in the forward direction
94. max\_biat Maximum time between two packets sent in the backward direction
95. mean\_fiat Mean time between two packets sent in the forward direction
96. mean\_biat Mean time between two packets sent in the backward direction
97. std\_fiat Standard deviation time between two packets sent in the forward direction
98. std\_biat Standard deviation time between two packets sent in the backward direction
99. fpsh\_cnt Number of times the PSH flag was set in packets travelling in the forward direction (0 for UDP)
100. bpsh\_cnt Number of times the PSH flag was set in packets travelling in the backward direction (0 for UDP)
101. furg\_cnt Number of times the URG flag was set in packets travelling in the forward direction (0 for UDP)
102. burg\_cnt Number of times the URG flag was set in packets travelling in the backward direction (0 for UDP)
103. total\_fhlen Total bytes used for headers in the forward direction
104. total\_bhlen Total bytes used for headers in the backward direction
105. fPktsPerSecond Number of forward packets per second
106. bPktsPerSecond Number of backward packets per second
107. flowPktsPerSecond Number of flow packets per second
108. flowBytesPerSecond Number of flow bytes per second
109. min\_flowpktl Minimum length of a flow
110. max\_flowpktl Maximum length of a flow
111. mean\_flowpktl Mean length of a flow
112. std\_flowpktl Standard deviation length of a flow
113. min\_flowiat Minimum inter-arrival time of packet
114. max\_flowiat Maximum inter-arrival time of packet
115. mean\_flowiat Mean inter-arrival time of packet
116. std\_flowiat Standard deviation inter-arrival time of packet
117. flow\_fin Number of packets with FIN
118. flow\_syn Number of packets with SYN
119. flow\_rst Number of packets with RST
120. flow\_psh Number of packets with PUSH
121. flow\_ack Number of packets with ACK
122. flow\_urg Number of packets with URG
123. flow\_cwr Number of packets with CWE
124. flow\_ece Number of packets with ECE
125. downUpRatio Download and upload ratio
126. avgPacketSize Average size of packet
127. fAvgSegmentSize Average size observed in the forward direction
128. fAvgBytesPerBulk Average number of bytes bulk rate in the forward direction
129. fAvgPacketsPerBulk Average number of packets bulk rate in the forward direction
130. fAvgBulkRate Average number of bulk rate in the forward direction
131. bAvgSegmentSize Average size observed in the backward direction
132. bAvgBytesPerBulk Average number of bytes bulk rate in the backward direction
133. bAvgPacketsPerBulk Average number of packets bulk rate in the backward direction
134. bAvgBulkRate Average number of bulk rate in the backward direction
135. sflow\_fpacket The average number of packets in a sub flow in the forward direction
136. sflow\_fbytes The average number of bytes in a sub flow in the forward direction
137. sflow\_bpacket The average number of packets in a sub flow in the backward direction
138. sflow\_bbytes The average number of bytes in a sub flow in the backward direction
139. min\_active Minimum time a flow was active before becoming idle
140. mean\_active Mean time a flow was active before becoming idle
141. max\_active Maximum time a flow was active before becoming idle
142. std\_active Standard deviation time a flow was active before becoming idle
143. min\_idle Minimum time a flow was idle before becoming active
144. mean\_idle Mean time a flow was idle before becoming active
145. max\_idle Maximum time a flow was idle before becoming active
146. std\_idle Standard deviation time a flow was idle before becoming active
147. Init\_Win\_bytes\_forward The total number of bytes sent in initial window in the forward direction
148. Init\_Win\_bytes\_backward The total number of bytes sent in initial window in the backward direction
149. Act\_data\_pkt\_forward Count of packets with at least 1 byte of TCP data payload in the forward direction
150. min\_seg\_size\_forward Minimum segment size observed in the forward direction